

FIG. 1

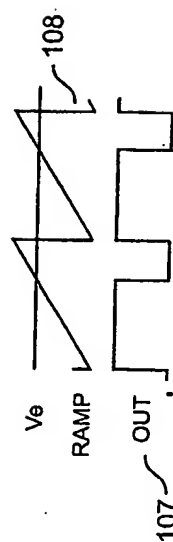


FIG. 1a

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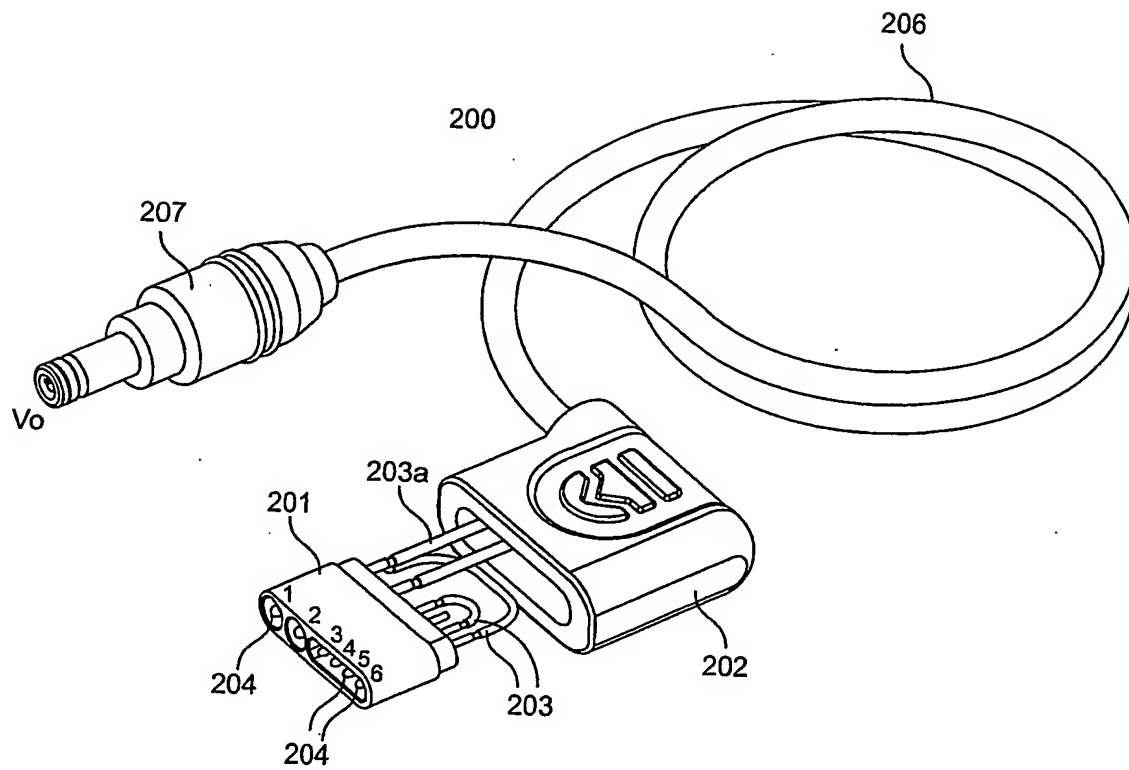


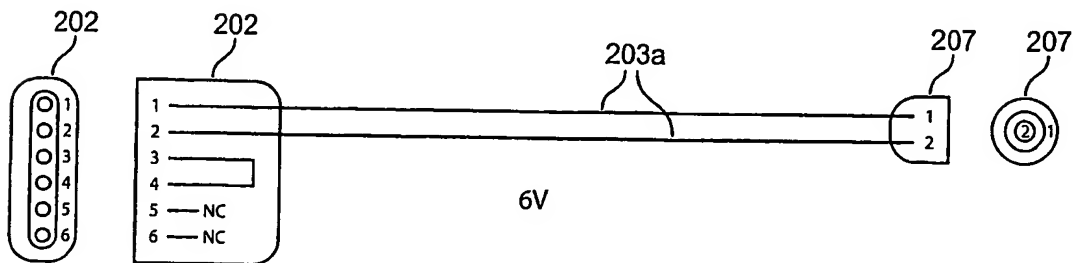
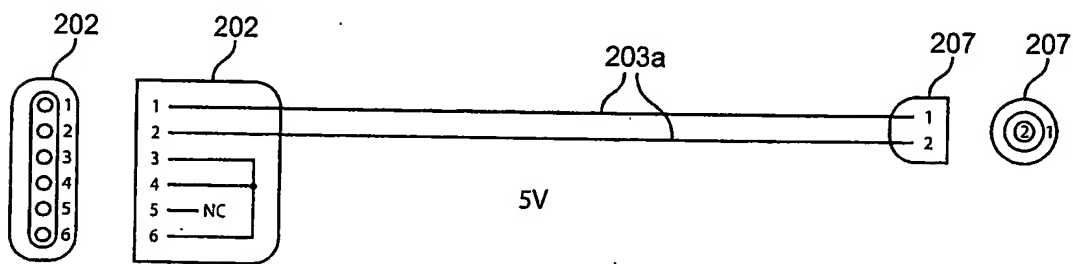
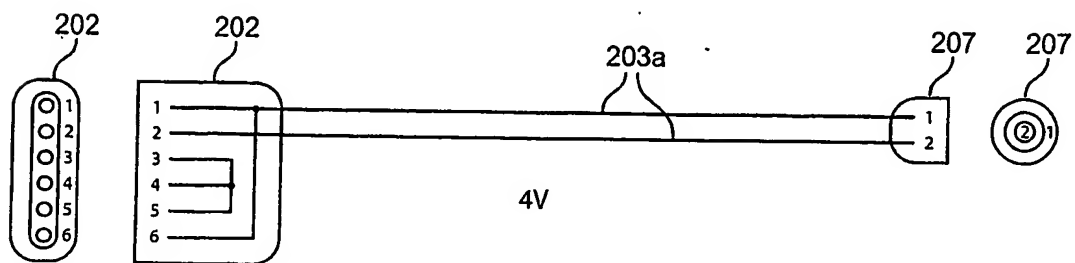
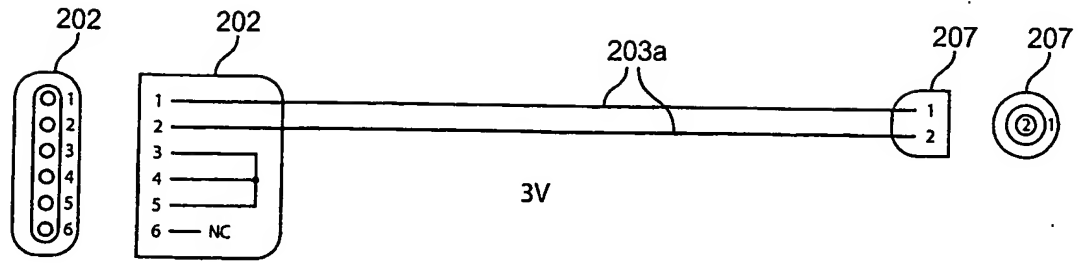
FIG. 2

VOLTAGE	CALCULATION	R5	R4	R3
3	15-9-3+0	+5V	+5V	-
4	15-9-3+1	+5V	+5V	0V
5	15-9+0-1	+5V	-	+5V
6	15-9+0+0	+5V	-	-
7	15-9+0+1	+5V	-	0V
8	15-9+3-1	+5V	0V	+5V
9	15-9+3+0	+5V	0V	-
10	15-9+3+1	+5V	0V	0V
11	15+0-3-1	-	+5V	+5V
12	15+0-3+0	-	+5V	-
13	15+0-3+1	-	+5V	0V
14	15+0+0-1	-	-	+5V
15	15+0+0+0	-	-	-
16	15+0+0+1	-	-	0V
17	15+0+3-1	-	0V	+5V
18	15+0+3+0	-	0V	-
19	15+0+3+1	-	0V	0V
20	15+9-3-1	0V	+5V	+5V
21	15+9-3+0	0V	+5V	-
22	15+9-3+1	0V	+5V	0V
23	15+9+0-1	0V	-	+5V
24	15+9+0+0	0V	-	-

- DENOTES NO CONNECTION

FIG. 3

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NC- DENOTES NO CONNECTION

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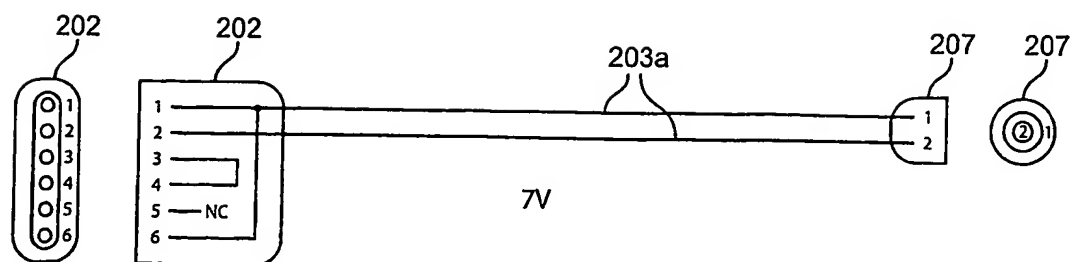


FIG. 8

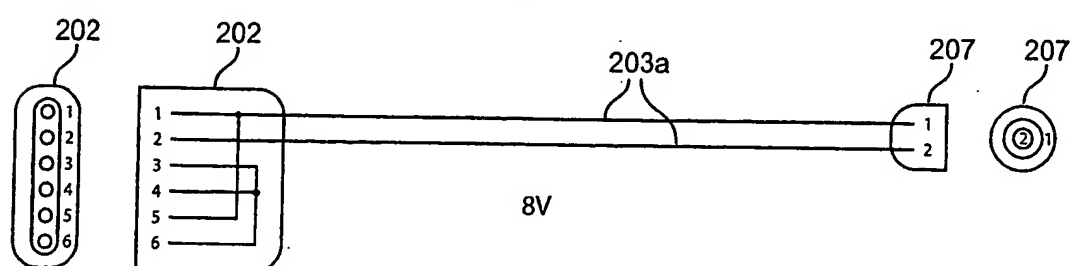


FIG. 9

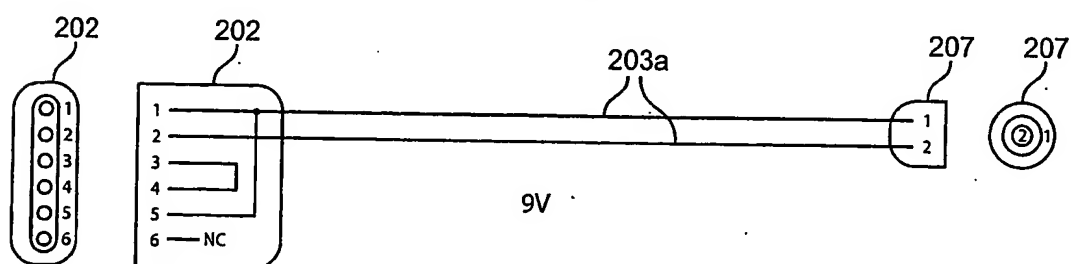


FIG. 10

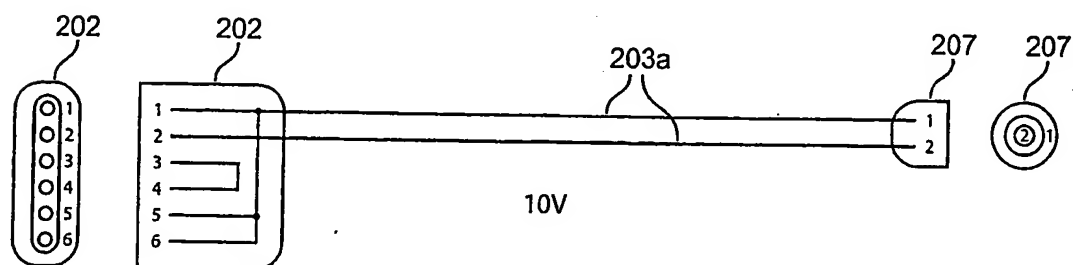


FIG. 11

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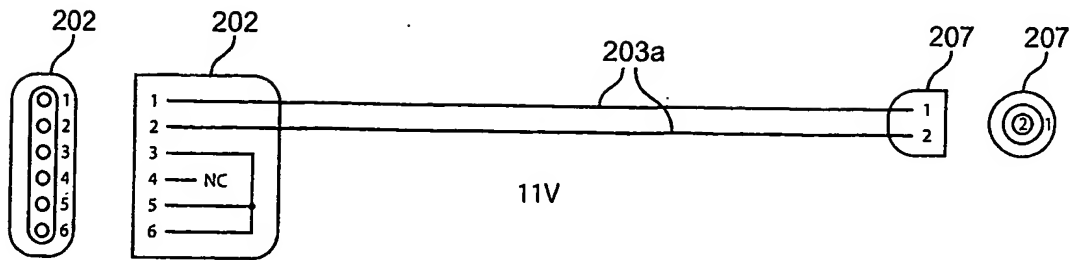


FIG. 12

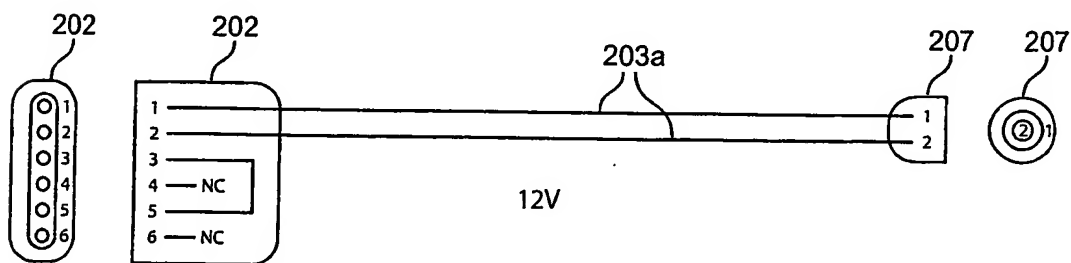


FIG. 13

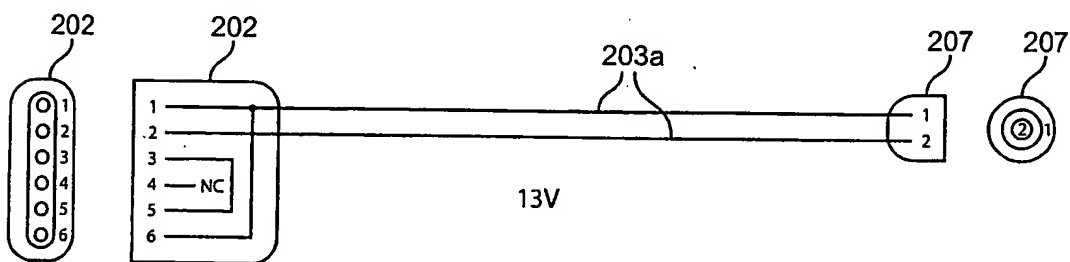


FIG. 14

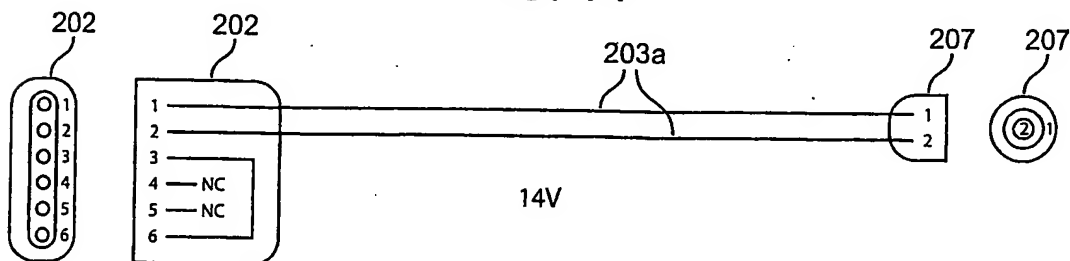


FIG. 15

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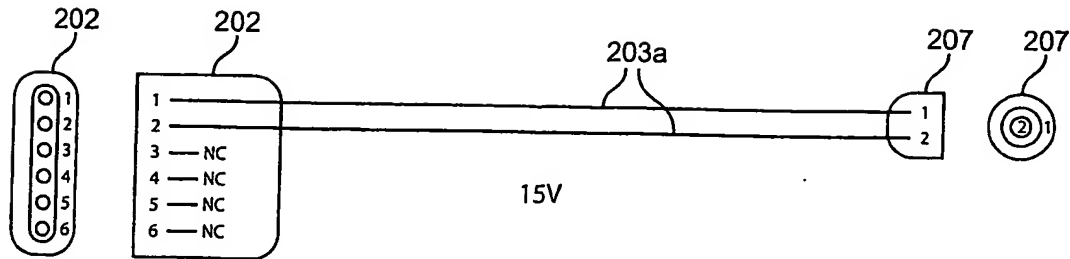


FIG. 16

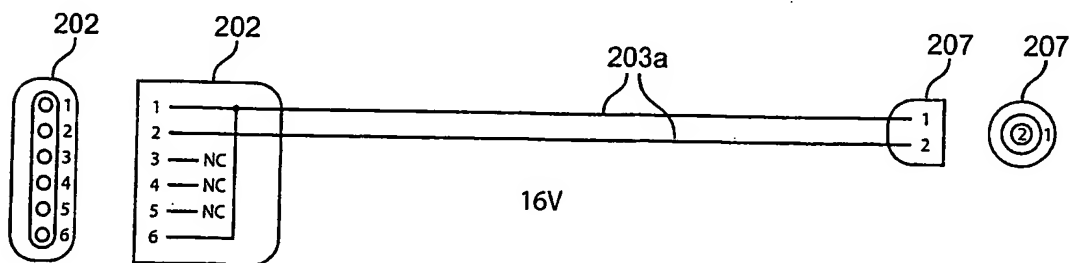


FIG. 17

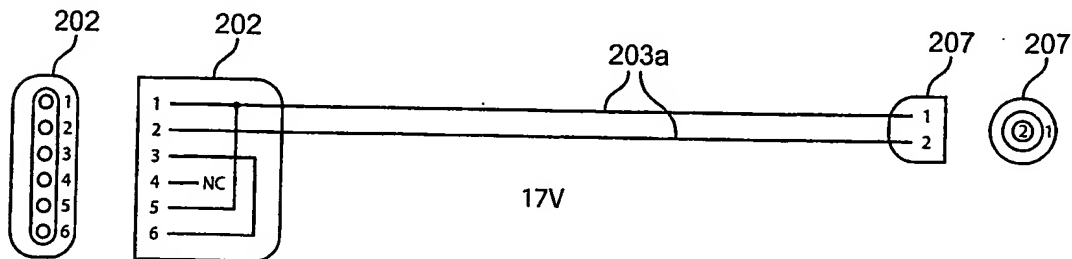


FIG. 18

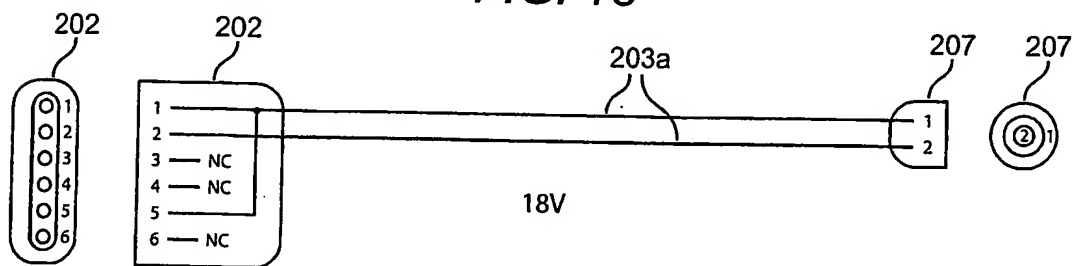
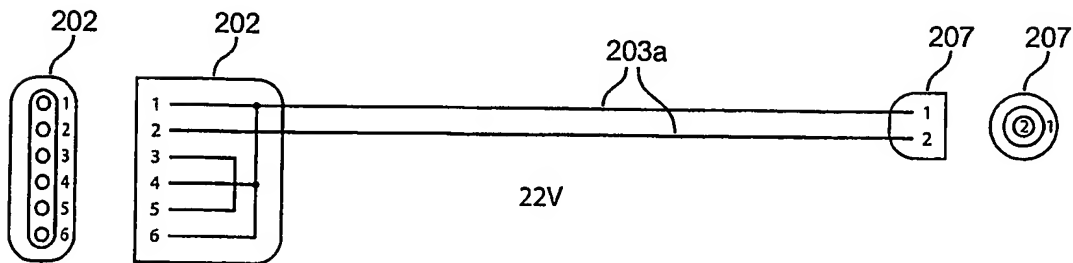
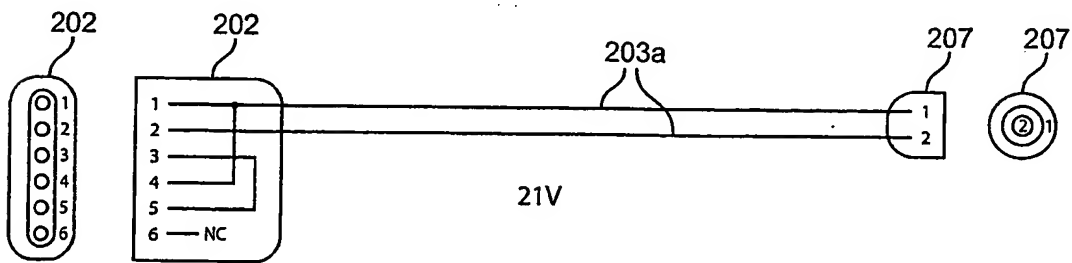
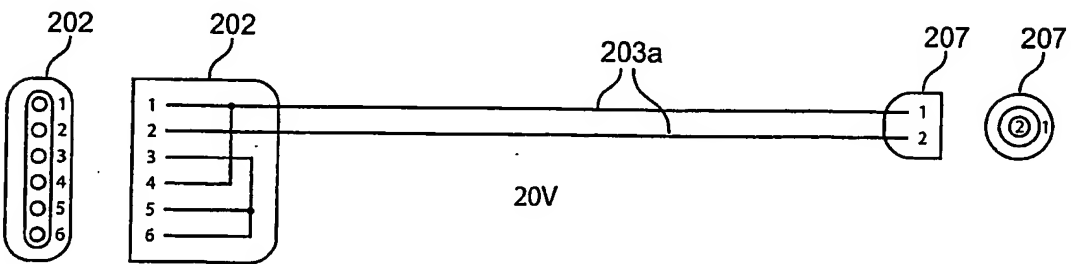
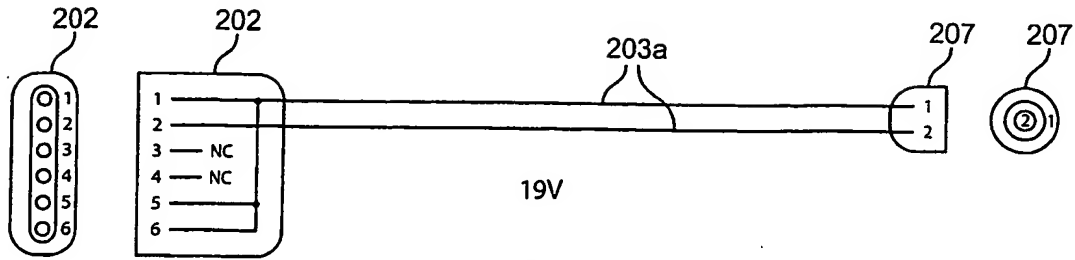


FIG. 19

NC- DENOTES NO CONNECTION



NC- DENOTES NO CONNECTION

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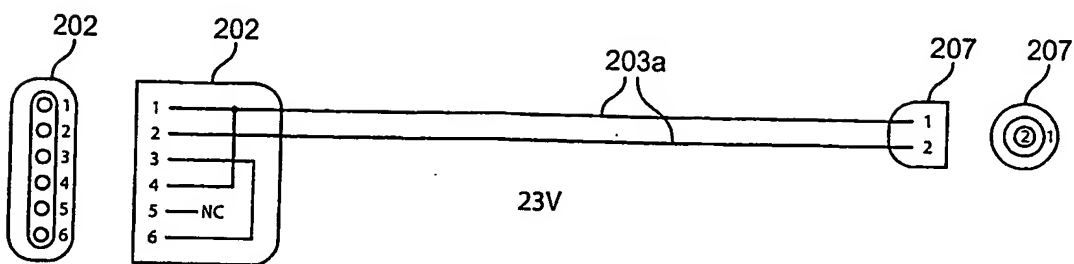


FIG. 24

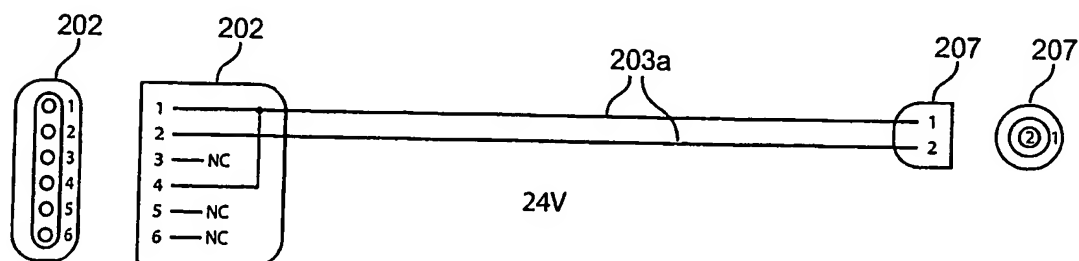


FIG. 25

NC- DENOTES NO CONNECTION